

Summer School on Tissue Engineering and Regenerative Medicine
Riva del Garda, 4-9 July 2016

PROGRAM

Monday, July 4th

- 17.00-18.00 Antonella Motta, University of Trento, Italy
3D TE constructs: building a functional context for tissue and organs
- 18.00-19.00 Paolo Netti, University of Naples, Italy
Building functional 3D human tissue in vitro: role of the materials and processes
- 19.30 Welcome

Tuesday, July 5th

- 9.00-10.00 Ali Khademosseini, Harvard University, USA
Nano and micro engineered hydrogels in medicine
- 10.00-11.00 Devid Maniglio, University of Trento, Italy
Introduction to 3D printing techniques applied to tissue engineering
- 11.00-11.30 Coffee Break
- 11.30-12.30 Rui L. Reis, University of Minho, Portugal
Additive manufacturing and other processing routes for producing scaffolds for the engineering of different tissues
- 12.45 Lunch
- 16.00-17.00 Daniel Cohn, Hebrew University of Jerusalem, Israel
Multifunctional 3D printed architectures for regenerative medicine
- 17.00-18.00 Thomas Groth, Martin Luther University Halle-Wittenberg, Germany
Nanolithography and layer-by-layer technique for design of biocompatible surfaces
- 18.00-18.30 Coffee Break
- 18.30-19.30 Nuno M. Neves, University of Minho, Portugal
On the combination of technologies for the development of functional scaffolds for tissue engineering and regenerative medicine

Wednesday, July 6th

- 9.00-10.00 Nesrin Hasirci, METU Ankara, Turkey
3D printed PCL based composites for bone tissue engineering applications
- 10.00-11.00 Gilson Khang, Chonbuk Nat'l Univ., Jeonju, Korea
Cornea tissue engineering
- 11.00-11.30 Coffee Break
- 11.30-12.30 Mauro Alini, AO Foundation, Switzerland
Hyaluronic acid derivatives as toolbox for in situ tissue engineering and additive manufacturing

12.45 Lunch

16.00-19.30 Poster session

Thursday, July 7th

9.00-10.00 Utkan Demirci, Stanford University, USA
Label-free magnetic additive biomanufacturing methods to isolate, sort, assemble cells and cell spheroids for applications in cancer

10.00-11.00 Dietmar W. Hutmacher, QUT Brisbane, Australia
Convergence of 3D Printing, melt electrospinning and system engineering

11.00-11.30 Coffee Break

11.30-12.30 Heinz Redl, Ludwig Boltzman Institute, Austria
Approaches for vascularisation of tissues

12.45 Lunch

16.00-17.00 Ralph Müller, ETH Zurich, Switzerland
3D printing of musculoskeletal tissues

17.00-18.00 Julio San Roman, CSIC, Spain
New approaches in the design and development of bioactive drug eluting stents. From the laboratory to the clinic

18.00-18.30 Coffee Break

18.30-19.30 Ranieri Cancedda, University of Genova, Italy
From tissue engineering to regenerative medicine: activation of endogenous tissue regeneration mechanisms

Friday, July 8th

9.00-10.00 Martijn van Griensven, Technical University of Munich, Germany
Preclinical research for translating regenerative medicine strategies

10.00-11.00 Ralph Müller, ETH Zurich, Switzerland
Longitudinal in vivo imaging of tissue regeneration

11.00-11.30 Closing remarks

12.30-18.00 Garda Lake Boat Tour with Lunchbox

Saturday, July 9th

Checkout and Participant's Departure